

## **IN THE CLAIMS**

This listing of the claim will replace all prior versions and listings of claim in the present application.

### **Listing of Claims**

1. (currently amended) A motion picture transmission method for transmitting a motion picture signal from an input terminal to a plurality of video reception units, respectively, through a video transmission unit including a compression processing unit and a plurality of transmission lines, each of which has a different transmission speed, said method comprising the steps of:

generating stream data containing at least a Groups of Pictures (GOPs) having ~~at least an~~ Intra (I) picture and a plurality of Predictive (P) pictures relating to each picture of said motion picture signal in said compression processing unit, said stream data is receivable at a video reception unit connected via a transmission line having higher transmission speed than the bit rate of said stream data;

storing ~~the a~~ latest of said GOPs ~~in~~ into a memory unit of said video transmission unit, said memory unit being commonly used via said transmission lines; and

transmitting said I picture and a different number of consecutive P pictures in the latest of said GOP ~~each of which is read out from said memory unit on a GOP unit~~ based on varying said different number ~~basis and consecutively~~ in response to different transmission speeds of said transmission lines ~~to a plurality of video reception units, respectively.~~

Claim 2 (canceled).

3. (currently amended) A motion picture transmission method according to claim 1, wherein said ~~compressing~~ compression processing unit encodes each ~~said~~ picture of said motion picture signal based on either one of Motion Picture Experts Group (MPEG)-4 and MPEG-2.

4. (currently amended) A motion picture transmission method according to claim 1, wherein in the case where ~~said motion picture signal comprises:~~ at least first GOP I picture and second GOP I picture are generated in said generating step, and said second GOP is transmitted in response to said ~~a part of said P pictures subsequent to said first I picture is cancelled in response to said transmission speed which is low, by canceling transmission of an afterpart of said consecutive P pictures subsequent to said I picture in said first GOP and said second I picture is transmitted.~~

5. (currently amended) A motion picture transmission method according to claim 1, wherein ~~when the number of said P pictures is cancelled~~ at least first GOP and second GOP are generated in said generating step, and said second GOP is transmitted, in response to said transmission speed of said transmission line, by canceling transmission of an afterpart of said consecutive P pictures subsequent to said I ~~the part of P pictures in said first GOP~~ immediately preceding said second I picture is cancelled.

Claim 6 (canceled).

7. (currently amended) A motion picture transmission system comprising:

- an input terminal to which a motion picture signal is applied;
- a video transmission unit, coupled to said input terminal, for encoding said motion picture signal;
- a plurality of transmission lines, coupled to said video transmission unit, for transmitting stream data encoded in said video transmission unit, each of which has a different transmission speed; and
- a plurality of video reception units, coupled to a plurality of said transmission lines, respectively, for receiving said stream data transmitted via said transmission lines,

wherein said video transmission unit includes:

- a compression processing unit for generating stream data containing at least a Groups of Pictures (GOPs) having at least an Intra (I) picture and a plurality of Predictive (P) pictures relating to each picture of said motion picture signal, said stream data is receivable at a video reception unit connected via a transmission line having higher transmission speed than the bit rate of said stream data
- a memory unit for storing ~~the~~ a latest of said GOPs GOP into; said memory being commonly used via said transmission lines; and
- a selector, including a plurality of stream output units coupled to a plurality of said transmission lines, respectively, for selecting said I picture and a different number of consecutive P pictures each of which is read out

from said memory unit on a GOP unit based on varying said different number  
~~basis and consecutively~~ in response to said transmission speeds of a plurality  
of said transmission lines ~~to transmit a plurality of said video reception units,~~  
respectively,

wherein said video transmission unit transmits the latest of said ~~GOPs~~  
GOP selected by each of said stream output units.

Claim 8 (canceled).

9. (previously presented) A motion picture transmission system  
according to claim 7, wherein said selector for selecting a different number of  
said consecutive P pictures in response to said transmission speeds of a  
plurality of said transmission lines and transmitting the selected number of  
said consecutive P pictures includes means for changing the number of  
consecutive P pictures subsequent to said I picture.

Claims 10 and 11 (canceled).

12. (currently amended) A motion picture transmission apparatus  
comprising:

an input terminal to which a motion picture signal is applied;

a coding unit coupled with said input terminal, for converting stream  
data containing at least a ~~each picture of said motion picture signal into Group~~  
~~Groups of Pictures (GOPs)~~ having at least an Intra (I) picture and a plurality of  
Predictive (P) pictures of said motion picture signal, said stream data is

receivable at a video reception unit connected via a transmission line having higher transmission speed than the bit rate of said stream data;

a memory unit for storing the latest of said GOPs;

an output unit including a plurality of stream output units for outputting said I and P pictures each of which is read out from said memory unit on a GOP unit basis and consecutively ;

a plurality of transmission lines, coupled to a plurality of stream output units, respectively, for transmitting said I and P pictures, each of which has a different transmission speed;

a plurality of video reception units, coupled to a plurality of said transmission lines, respectively; and

a control unit for controlling said output unit,

wherein said control unit controls said output unit to output the latest of said GOPs including said I picture and a different number of consecutive P pictures from said I picture and a plurality of consecutive P pictures stored in said memory unit in the latest of said GOP on a GOP unit based on varying said different number in response to ~~said different~~ transmission speeds of said transmission lines, said memory unit being commonly used to a plurality of said transmission lines.

Claim 13 (canceled).

14. (currently amended) A motion picture transmission apparatus according to claim 12, wherein in the case where said control unit ~~control~~ controls said output unit to output a different number of said P pictures in

response to said transmission speed of said transmission line, and transmitting them, the number of P pictures immediately preceding next I picture is cancelled.

Claim 15 (canceled).

16. (currently amended) A motion picture transmission method according to claim 1, wherein each of said different number is a number requested by corresponding said video reception unit~~the different number of said P pictures corresponds the number requested from each of said video reception units, and~~

wherein in said step of transmitting step starts said transmission of said I picture and a requested number of P pictures after receiving the request,  
~~said I picture and a different number of P pictures are transmitted from said video transmission unit to each of said video reception units after said video transmission unit receives the request from each of said video reception units.~~

17. (currently amended) A motion picture transmission method according to claim 1, wherein said I and P pictures stored in said memory unit are updated whenever said request from each of said video reception units receives-received in said video transmission unit, and the updated I and P pictures are transmitted in response to said request from each of said video reception units.

18. (currently amended) A motion picture transmission method according to claim 17, wherein after said I and P pictures of a transmitted GOP are received and decompressed in each of said video reception units, a next request is transmitted to said video transmission unit.

19. (currently amended) A motion picture transmission method according to claim 1, wherein said video transmission unit further includes a plurality of Real Time Transport Protocol (RTP) packet processing units, each of which is coupled to said compression processing unit, and a Transmission Control Protocol[~~-~~]or User Datagram Protocol (TCP[~~-~~]or UDP) processing unit coupled with said transmission lines, and

wherein said TCP[~~-~~]or UDP processing unit collects packet discord ratio information from each of said video reception units, and each of said RTP packet processing unit ~~is~~ read out said I picture and a different number of P pictures from said memory unit in response to said packet discord ratio information, so that said packet discord ratio information becomes zero and processes every VOP to one or a few packets of RTP.